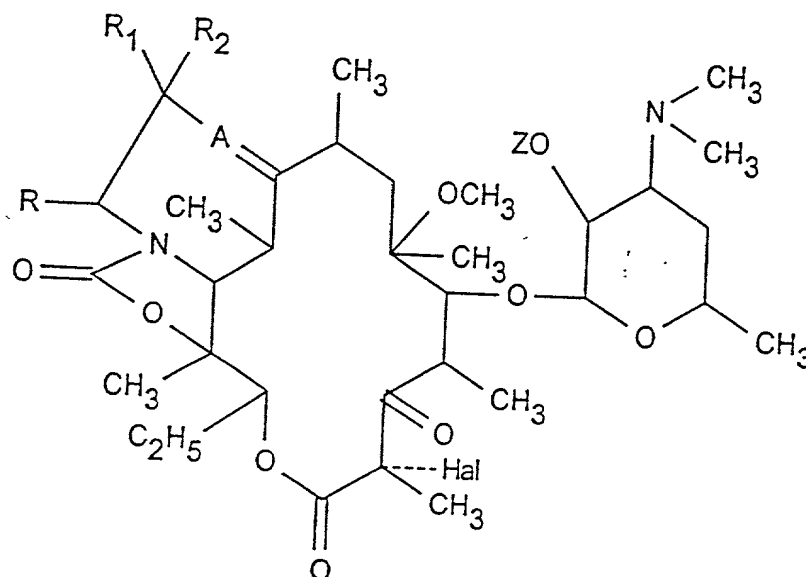


WHAT WE CLAIM IS:

1. A compound selected from the group consisting of a compound of the formula



wherein A is nitrogen or  $N \rightarrow O$ ,  $R_1$  and  $R_2$  are individually selected from the group consisting of hydrogen and alkyl of 1 to 18 carbon atoms, R is selected from the group consisting of hydrogen and  $-(CH_2)_mOB$ , Hal is halogen, m and n are individually an integer from 1 to 8, B is hydrogen or  $-\overset{\overset{O}{\parallel}}{C}-Ar$  or  $-(CH_2)_n-Ar$ , Ar is a mono- or polycyclic aryl or heteroaryl, Z is hydrogen or acyl of an organic carboxylic acid of up to 18 carbon atoms and its non-toxic, pharmaceutically acceptable acid addition salts.

2. A compound of claim 1 wherein  $R_1$  and  $R_2$  are hydrogen.

3. A compound of claim 1 wherein A is nitrogen.

4. A compound of claim 1 wherein Hal is fluorine.

5. A compound of claim 1 wherein R is hydrogen.

6. A compound of claim 1 wherein R is  $-CH_2OH$ .

7. A compound of claim 1 selected from the group consisting of  
[3aS-(3aR\*,4S\*,7R\*,9S\*,10S\*,11S\*,13S\*,15S\*,15aS\*)]-4-ethyl-7-  
fluoro-3a,4,10,11,12,13,15,15a-octahydro-11-methoxy-  
3a,7,9,11,13,15-hexamethyl-10-[[3,4,6-trideoxy-3-(dimethyl-amino)-  
.beta.-D-xylo-hexopyranosyl]oxy]-14,1-(nitriloethano)-2H-  
oxacyclotetradecino[4,3-d]oxazole-2,6,8(9H)-trione and

[3aS-(3aR\*,4S\*,7R\*,9S\*,10S\*,11S\*,13S\*,15S\*,15aS\*,17R\*)]-4-  
ethyl-7-fluoro-3a,4,10,11,12,13,15,15a-octahydro-<sup>18</sup>17-hydroxymethyl)-  
11-methoxy-3a,7,9,11,13,15-hexamethyl-10-[[3-4,6-trideoxy-3-  
(dimethylamino)-.beta.-D-xylohexopyranosyl]oxy]-14,1-  
(nitriloethano)-2H-oxacyclotetradecino[4,3-d]oxazole-2,6,8(9H)-  
trione.

8. An antibiotic composition comprising an antibiotically  
effective amount of a compound of claim 1 and an inert  
pharmaceutical carrier.

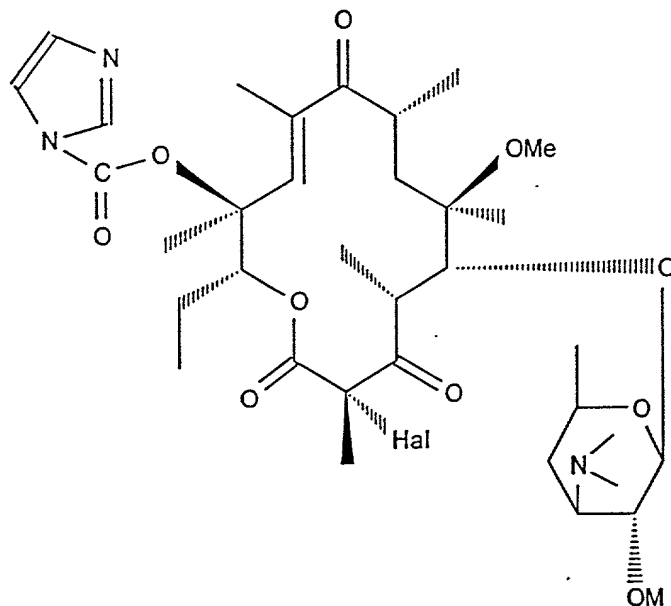
9. An antibiotic composition comprising an antibiotically

effective amount of a compound of claim 7 and an inert pharmaceutical carrier.

10. A method of treating bacterial infections in warm-blooded animals comprising administering to warm-blooded animals <sup>in need thereof</sup> an antibiotically effective amount of a compound of claim 1.

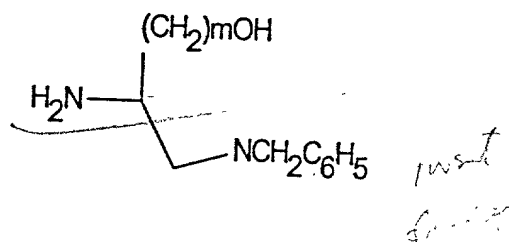
11. A method of treating bacterial infections in warm-blooded animals comprising administering to warm-blooded animals <sup>in need thereof</sup> an antibiotically effective amount of a compound of claim 7.

12. A process for the preparation of a compound of claim 1 comprising reacting a compound of the formula

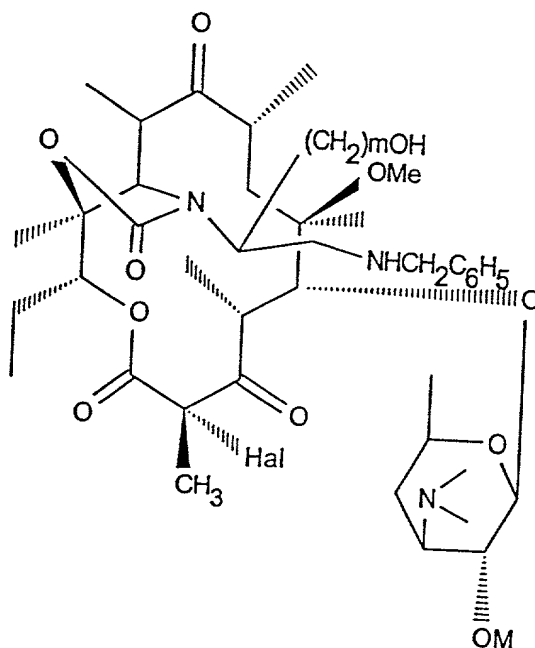


II

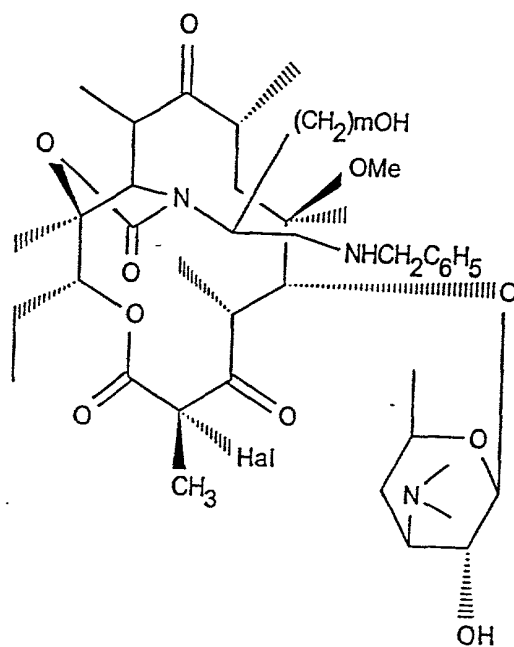
wherein Hal is halogen and OM is a protected hydroxyl with a compound of the formula



10  
15  
wherein m is an integer from 1 to 8 to obtain a compound of the formula

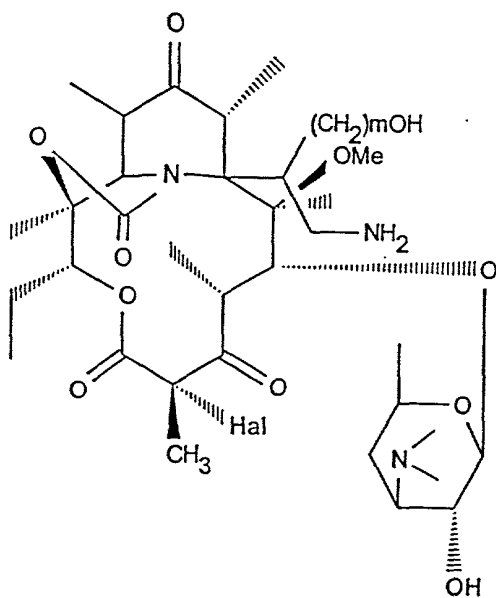


20  
deprotecting the 2'-hydroxyl to obtain a compound of the formula



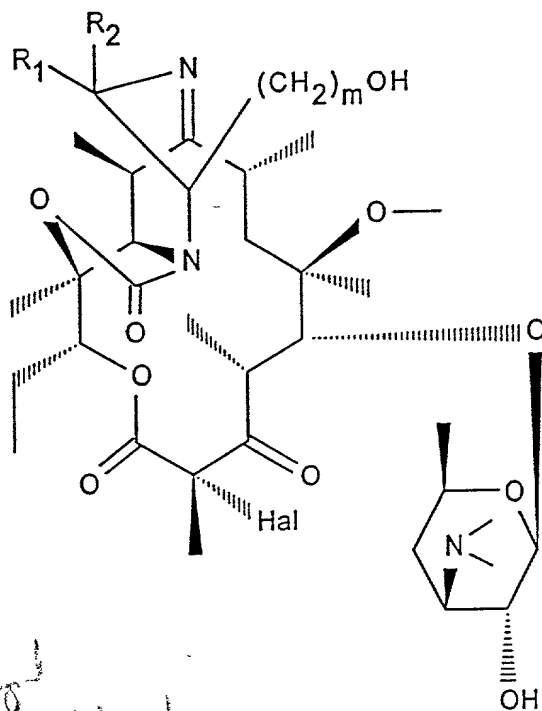
V

reacting the latter with a debenzylating agent to obtain a compound of the formula



VI

reacting the latter with a cyclization agent to form a compound of the formulae



IA

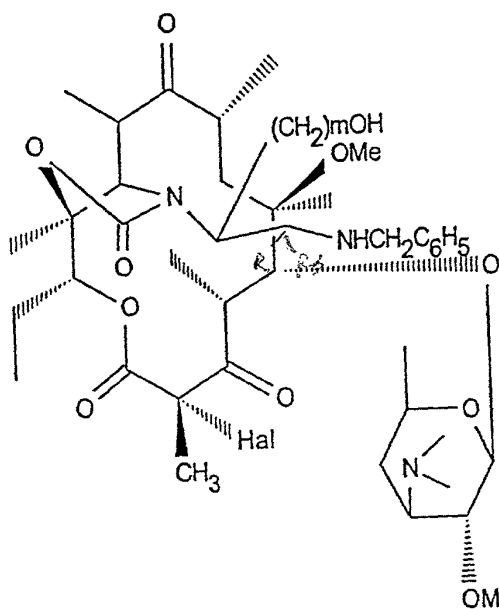
*corresponding to a compound  
of formula I of claim 1*

wherein R is  $-(CH_2)_m-OH$  and optionally subjecting the latter to an  
aralkylating or acylating agent to obtain a compound <sup>of formula I</sup> of claim 1

wherein B is  $-(CH_2)_n-Ar$  or  $-C(=O)-Ar$ .

13. A compound selected from the group consisting of

5

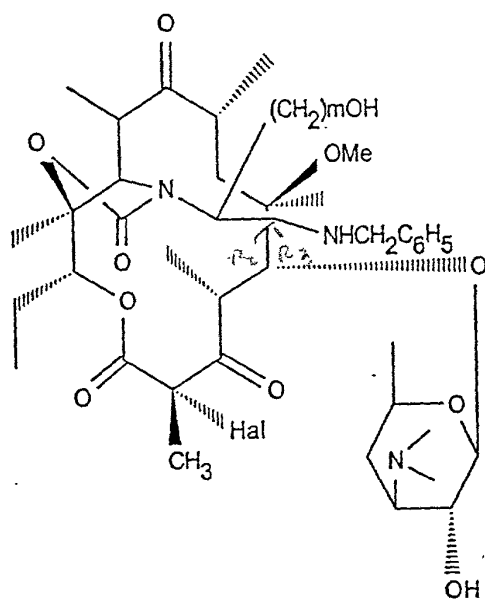


IV

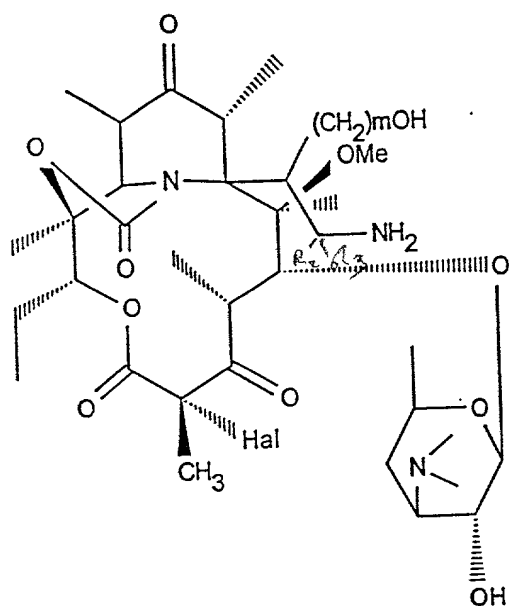
10

15

20



V



VI

where the substituents are defined as in claim 12.